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January 1964



CENTRAL INTELLIGENCE AGENCY
PHOTOGRAPHIC INTELLIGENCE REPORT

SOVIET-TYPE SAM INSTALLATIONS, WACS 102, 103, 127, 131, 152, AND 153



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PREFACE

This is the second in a series of reports, prepared in response to CIA requirement C-RR3-80,733, presenting locational and other pertinent information on all Soviet-type surface-to-air missile (SAM) installations. 1/ Installations included are SAM launch sites (SA-1, SA-2, SA-3, and SA-0), antimissile-missile activities, SAM support facilities, SAM R & D and training facilities, and unidentified installations,

possibly SAM-related. The information will be presented by World Aeronautical Chart (WAC), and within each WAC by SAM defense area, as determined from photography and collateral sources. When the defense function of an installation has not been determined, this will be so indicated. Where no installations have been identified in a WAC area, that WAC will be omitted.

INTRODUCTION

This report presents information on all Soviet-type SAM installations located in the areas covered by WACs 102, 103, 127, 131, 152, and 153 and identified on photography. The cutoff date for this information is 23 December 1963. Figure 1 shows all the WAC areas, except Cuba, which will be covered in this series; those in red are covered in this report. WACs covered in the previous report are outlined in red, and the report number is indicated on the graphic. Diagrams of the configurations of the common types of SAM installations are presented in Figure 2. Information for each WAC is shown in a table (Tables 1-6), which gives detailed data, and a map (Figures 3-8), which indicates the location and type of each SAM installation. Due to the volume of data for WAC 153, Figure 8 has been repeated for easier reference.

Explanations of the columnar headings used in the tables are as follows:

Item--Given in a numerical sequence for each WAC, with numbers assigned to installations arbitrarily, and keyed to

the accompanying WAC.

Name, Site Designator, BE Number--in accordance with the TDI. Absence of any of this information indicates that it was not available at the time of publication.

Coordinates--Given in degrees, minutes, and seconds, and plotted from series 200 US Air Target Charts unless otherwise indicated in next column.

Country & Map Reference--BE country codes used. Map reference is to the Air Target Chart sheet number (scale 1:200,000) unless otherwise indicated.

Type & Configuration--Indicates the type of SAM installation and its configuration as illustrated in Figure 2.

Mission & Date First Appears--Gives the number and date of the mission on which the installation was first sighted.

Mission & Date Installation Negated--Refers to the latest [REDACTED] photography on which it has been established that construction of the installation had not been started. Absence of any notation indicates that this information could not be determined.

Remarks--Covers items of special or unusual interest.

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Table 1. SAM Installations on WAC 108

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Leningrad to Petrozavodsk SAM Defenses (barrier defense between Leningrad and Petrozavodsk)							
1	Volkhov SAM Site A01-2, [REDACTED]	60-05-10N 32-20-35E	UR 0102-21	SA-2, link	[REDACTED]		
2	Volkhov SAM Site C04-2, [REDACTED]	60-19-00N 32-54-20E	UR 0102-21	SA-2, Configuration undetermined			
3	Lodeynoye Pole SAM Site A25-2, [REDACTED]	60-40-31N 32-21-02E	UR 0102-21	SA-2, link			
19	Podporozhye SAM Site, [REDACTED]	61-05-29N 34-21-43E	UR 0102-16	SA-2, link			
B. Petrozavodsk SAM Defenses (in defense of Petrozavodsk)							
4	Petrozavodsk SAM Site B30-2, [REDACTED]	61-51-30N 33-54-00E	UR 0102-11	SA-2, fan	[REDACTED]		
5	Petrozavodsk SAM Support Facility, [REDACTED]	61-48-43N 34-04-30E	UR 0102-11	Type II (square)			
6	Petrozavodsk SAM Site A38-2, [REDACTED]	61-47-50N 34-03-00E	UR 0102-11	SA-2, daisy			
7	Petrozavodsk SAM Site B13-2, [REDACTED]	61-34-50N 34-42-00E	UR 0102-17	SA-2, link			
8	Petrozavodsk SAM Site B01-2, [REDACTED]	61-59-20N 34-24-20E	UR 0102-11	SA-2, daisy			
C. Plesetsk ICBM Complex SAM Defenses (in defense of Plesetsk ICBM Complex)							
9	Plesetsk ICBM Complex SAM Site C24-2, [REDACTED]	62-44-30N 40-01-30E	UR 0102-9	SA-2, fan	[REDACTED]		
10	Plesetsk ICBM Complex SAM Site B29-2, [REDACTED]	62-58-30N 40-08-30E	UR 0102-9	SA-2, fan			
11	Plesetsk ICBM Complex SAM Site A32-3, [REDACTED]	63-01-10N 40-22-00E	UR 0102-9	SA-3, Configuration F			
12	Plesetsk ICBM Complex SAM Site B36A-2, [REDACTED]	63-11-00N 40-33-30E	UR 0102-9	SA-2, unrevetted			This site is immediately north of Plesetsk ICBM Complex SAM Site B36-2. It was previously carried as a Category 2 SA-0 SAM Site.
13	Plesetsk ICBM Complex SAM Site B36-2, [REDACTED]	63-10-50N 40-34-05E	UR 0102-9	SA-2, Prob daisy			
14	Plesetsk ICBM Complex SAM Site B06-2, [REDACTED]	63-06-10N 41-06-30E	UR 0102-9	SA-2, Poss link			
15	Plesetsk ICBM Complex SAM Site B08A-2, [REDACTED]	63-05-55N 41-06-15E	UR 0102-9	SA-2, unrevetted			This site is immediately south of Plesetsk ICBM Complex SAM Site B06-2. It was previously carried as a Category 2 SA-0 SAM Site.
16	Plesetsk ICBM Complex SAM Support Facility, [REDACTED]	62-49-25N 40-40-20E	UR 0102-9	Type I (rectangular)			
17	Plesetsk ICBM Complex SAM Site B17-2, [REDACTED]	62-43-35N 40-46-40E	UR 0102-9	SA-2, daisy			
18	Plesetsk ICBM Complex SAM Site B12-2, [REDACTED]	62-49-50N 41-08-00E	UR 0102-9	SA-2, chevron			

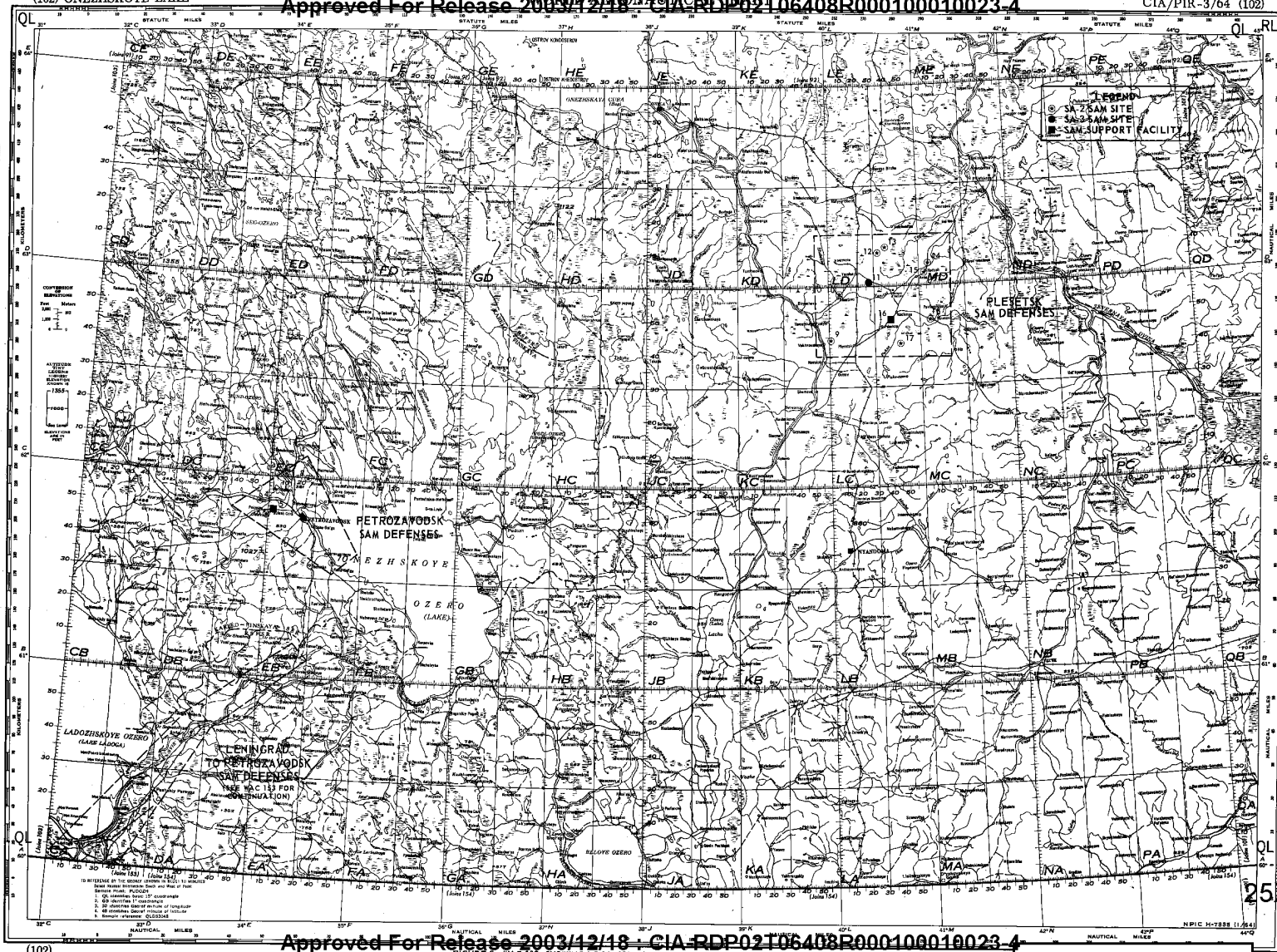
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Table 2. SAM Installations on WAC 103

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Leningrad SAM Defenses (in defense of Leningrad--second largest city in USSR: major shipbuilding and naval facilities; airfields; and defense research, development, and production facilities)							
1	Leningrad SAM Site B29-3, [REDACTED]	60-01-20N 29-41-30E	UR 0103-25	SA-3, Configuration G			
2	Leningrad SAM Site B29-2, [REDACTED]	60-01-20N 29-41-45E	UR 0103-25	SA-2, fan			
3	Leningrad SAM Site D80-2, [REDACTED]	60-10-00N 29-22-55E	UR 0103-24	SA-2, fan			
4	Leningrad SAM Site D80-3, [REDACTED]	60-10-00N 29-23-10E	UR 0103-24	SA-3, Configuration G			
5	Leningrad SAM Site D81-2, [REDACTED]	60-12-55N 29-29-55E	UR 0103-24	SA-2, chevron			
6	Leningrad SAM Site C81-2, [REDACTED]	60-14-50N 29-34-55E	UR 0103-24	SA-2, fan			
7	Leningrad SAM Site C81-3, [REDACTED]	60-14-00N 29-34-45E	UR 0103-24	SA-2, Category G			
8	Leningrad SAM Site C82A-2, [REDACTED]	60-14-15N 29-40-00N	UR 0103-25	SA-2, fan			
9	Leningrad SAM Site C82B-2, [REDACTED]	60-15-45N 29-42-20E	UR 0103-25	SA-2, fan			
10	Leningrad SAM Site C83-2, [REDACTED]	60-17-05N 29-43-40E	UR 0103-25	SA-2, chevron			
11	Leningrad SAM Site C83A-2, [REDACTED]	60-18-50N 29-48-45E	UR 0103-25	SA-2, fan			
12	Leningrad SAM Site D82-2, [REDACTED]	60-20-10N 29-37-30E	UR 0103-25	SA-3, Configuration G			
13	Leningrad SAM Site C84-2, [REDACTED]	60-20-15N 29-53-55E	UR 0103-25	SA-2, chevron			
14	Leningrad NW Probable AMM Launch Complex D84, [REDACTED]	60-27-15N 29-44-00E	UR 0103-25	Prob AMM			This is one of three probable AMM launch complexes deployed at Leningrad.
15	Leningrad SAM Site D84-3, [REDACTED]	60-27-20N 29-44-00E	UR 0103-25	SA-3, Configuration J			This SA-3 site is located within the security fence which surrounds Probable AMM Complex D84.
16	Leningrad SAM Site D85-3, [REDACTED]	60-28-00N 29-57-20E	UR 0103-25	SA-3, Configuration J			
17	Leningrad SAM Site C86-3, [REDACTED]	60-28-00N 30-09-30E	UR 0103-25	SA-2, Configuration J			
18	Leningrad SAM Site C85-2, [REDACTED]	60-21-30N 30-06-40E	UR 0103-25	SA-2, fan			
19	Leningrad SAM Assembly and Support Facility No 1, [REDACTED]	60-28-20N 30-11-10E	UR 0103-25	Missile assembly & storage facility			This is one of four such facilities at Leningrad.
20	Leningrad SAM Site C86-2, [REDACTED]	60-31-00N 30-16-05E	UR 0103-25	SA-2, chevron			
21	Leningrad SAM Site C01-3, [REDACTED]	60-24-20N 30-34-00E	UR 0103-25	SA-3, Configuration J			
22	Leningrad SAM Site C01-2, [REDACTED]	60-20-00N 30-27-05E	UR 0103-25	SA-2, chevron			
23	Leningrad SAM Site C02-2, [REDACTED]	60-18-50N 30-36-50E	UR 0103-25	SA-2, fan			
24	Leningrad SAM Site C02-3, [REDACTED]	60-18-50N 30-37-00E	UR 0103-25	SA-2, Configuration J			
25	Leningrad SAM Site C04-3, [REDACTED]	60-14-55N 30-52-20E	UR 0103-25	SA-3, Configuration J			
26	Leningrad SAM Site C04-2, [REDACTED]	60-15-30N 30-52-35E	UR 0103-25	SA-2, fan			
27	Leningrad SAM Site C05-2, [REDACTED]	60-12-15N 30-54-40E	UR 0103-25	SA-2, chevron			
28	Leningrad NE Probable AMM Launch Complex B05, [REDACTED]	60-06-20N 30-44-45E	UR 0103-25	Prob AMM			This is one of three probable AMM launch complexes deployed at Leningrad.
29	Leningrad SAM Site C06-3, [REDACTED]	60-07-40N 31-00-10E	UR 0103-25	SA-3, Configuration J			This site could possibly serve as a training facility associated with the SA-2 and possible AMM training sites at C06.
30	Leningrad SAM Training Facility C06, [REDACTED]	60-07-10N 30-59-20E	UR 0103-25	Training facility			Consists of two SA-2 sites and a possible AMM training site (the latter first appeared in [REDACTED])
31	Leningrad SAM Assembly and Support Facility No 2, [REDACTED]	60-03-00N 31-02-30E	UR 0103-25	Missile assembly & storage facility			This is one of four such facilities at Leningrad.
32	Leningrad SAM Site C08-2, [REDACTED]	60-01-20N 31-02-45E	UR 0103-25	SA-2, fan			

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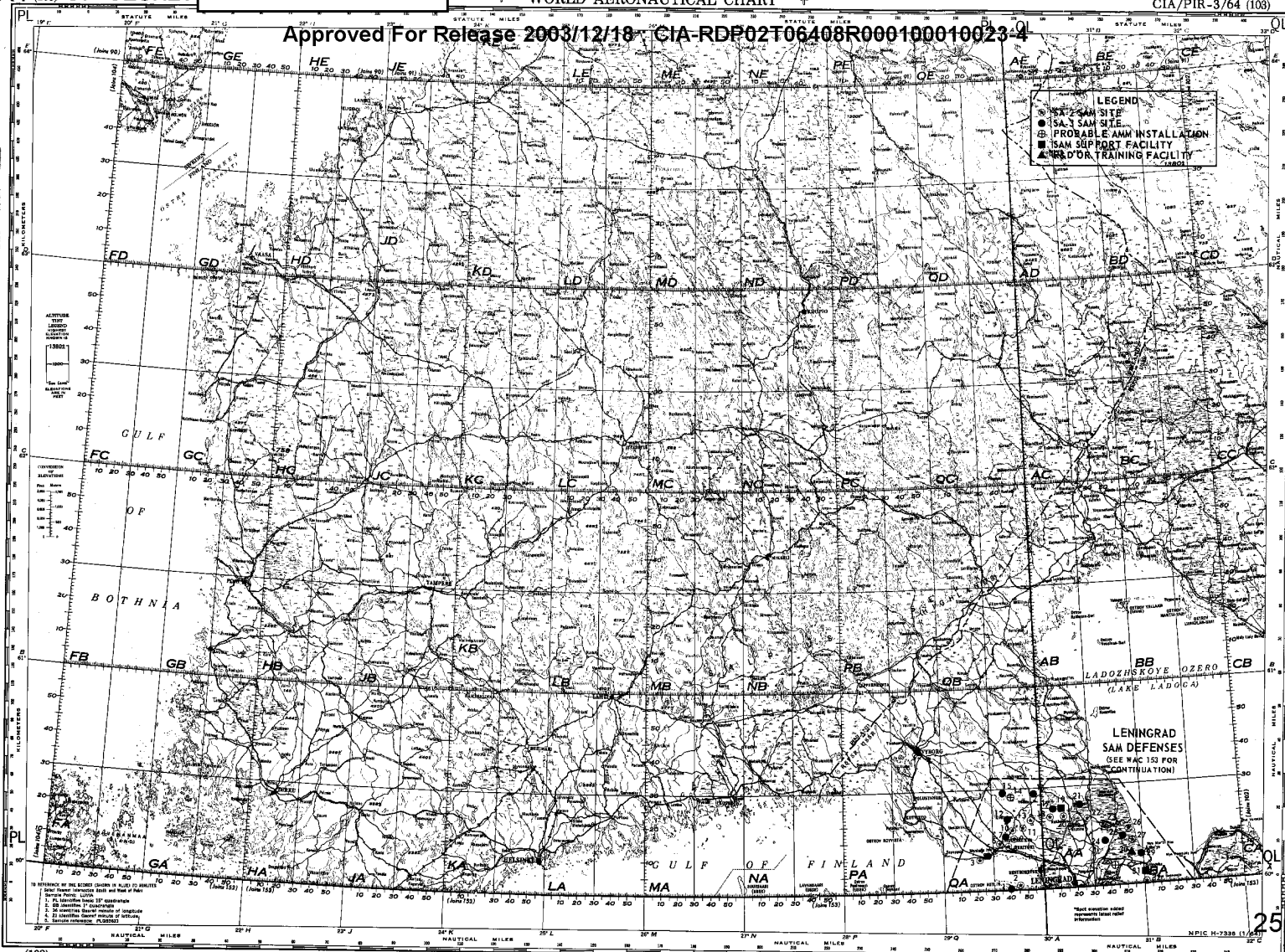
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Table 3. SAM Installations on WAC 127

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Bratsk Dam SAM Defenses (in defense of Bratsk hydroelectric dam)							
1	Bratsk Dam SAM Site B31A-2, [REDACTED]	56-14-00N 101-27-00E	UR 0127-22	SA-2, link	[REDACTED]		
2	Bratsk Dam SAM Site B31-2, [REDACTED]	56-12-50N 101-30-45E	UR 0127-22	SA-2, unrevottd			This site was previously carried as a Category 2 SA-0 SAM site.
3	Bratsk Dam SAM Support Facility, [REDACTED]	56-17-20N 101-40-00E	UR 0127-22	Type I (rectangular)			
4	Bratsk Dam SAM Site C85-2, [REDACTED]	56-30-00N 101-55-10E	UR 0127-22	SA-2, Prob link			
5	Bratsk Dam SAM Site A05-2, [REDACTED]	56-10-00N 101-58-15E	UR 0127-22	SA-2, link			
6	Bratsk Dam SAM Site C03-2, [REDACTED]	56-28-50N 102-08-30E	UR 0127-22	SA-2, link			
7	Bratsk Dam SAM Site C03A-2, [REDACTED]	56-24-40N 102-08-30E	UR 0127-22	Type & configuration undetermined			This site, formerly called a Category 2 SA-0 SAM site, consists of at least 5 probable positions (unrevottd) located along an irregular road pattern.

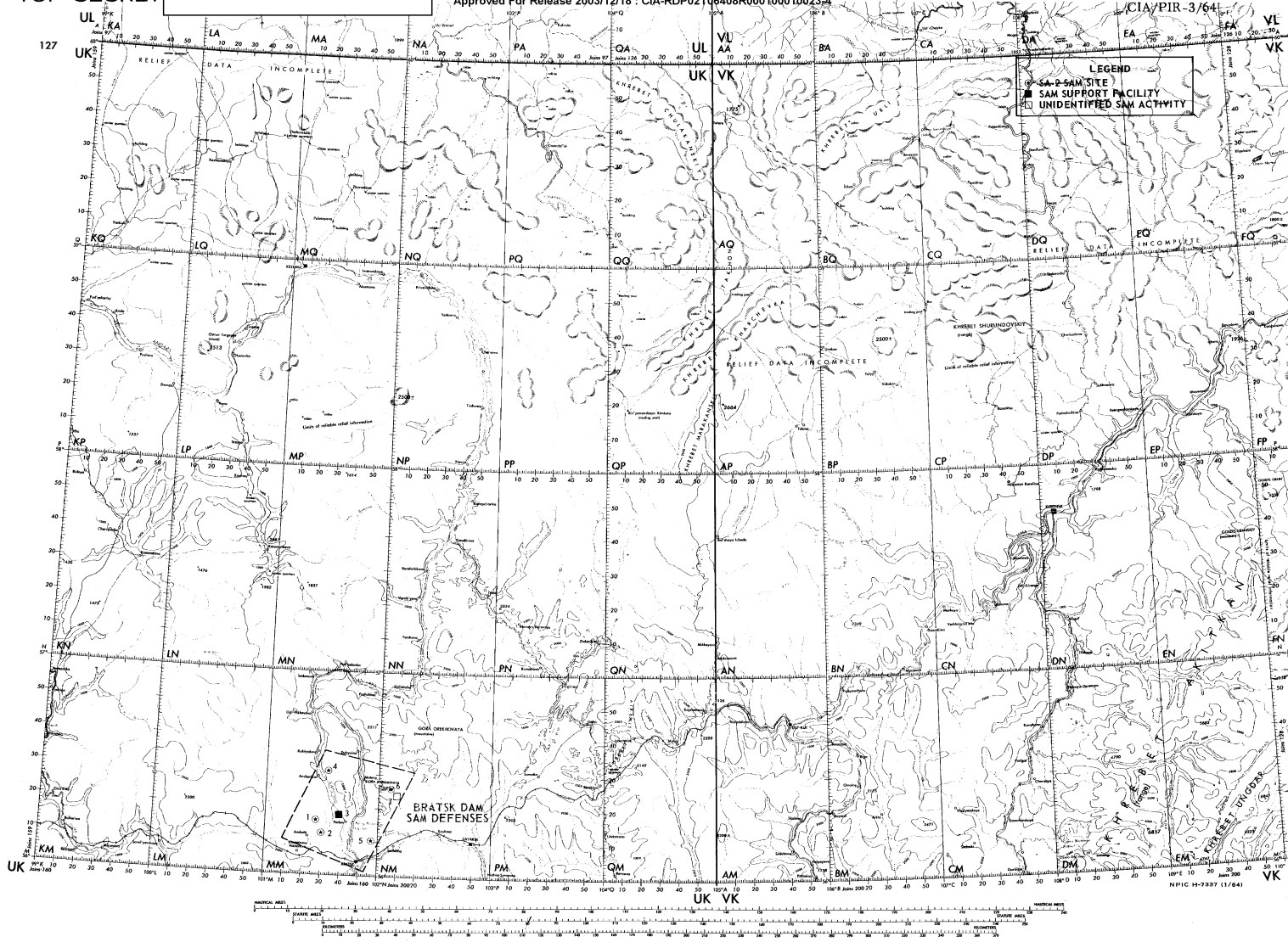
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Table 4. SAM Installations on WAC 131

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Magadan SAM Defenses (in defense of Magadan complex and port)							
1	Magadan SAM Site B36-2, [REDACTED]	59-45-00N 150-47-50E	UR 0131-4	SA-2, chevron	[REDACTED]		
2	Magadan SAM Support Facility, [REDACTED]	59-36-10N 150-48-30E	UR 0131-4	Type II (square)			
3	Magadan SAM Site A13-2, [REDACTED]	59-30-30N 150-55-30E	UR 0131-4	SA-2, link			

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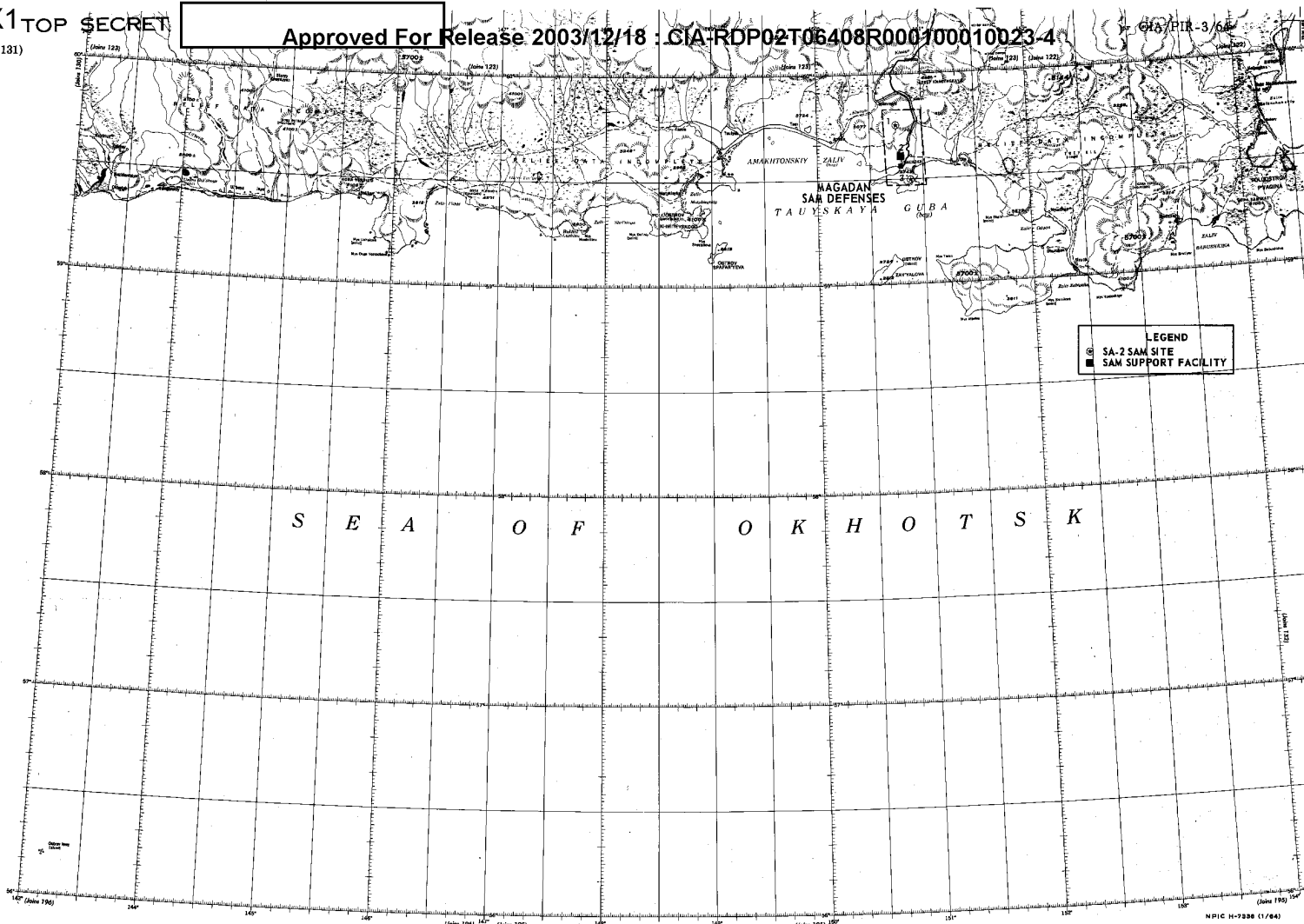


FIGURE 6. WAC 131, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.



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Table 5. SAM Installations on WAC 152

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Palanga to Ventspils SAM Defenses (barrier defense of the Baltic Coast between Palanga and Ventspils)							
1	Ventspils SAM Site A23-2	57-22-35N 21-31-40E	UR 0152-20	SA-2, link			
2	Liepaja SAM Site C02-3	56-53-10N 21-10-00E	UR 0152-20	SA-3, Configuration F			
3	Liepaja SAM Site C02-2	56-53-00N 21-10-15E	UR 0152-20	SA-2, link			
4	Liepaja SAM Site A01-2	56-35-20N 21-01-10E	UR 0152-25	SA-2, link			
5	Liepaja SAM Site A36-3	56-33-30N 21-00-05E	UR 0152-25	SA-3, Configuration G			
6	Liepaja SAM Support Facility	56-31-30N 21-06-10E	UR 0152-25	Type II (square)			
7	Liepaja SAM Site A19-3	56-27-30N 21-00-20E	UR 0152-25	SA-3, Configuration F			
8	Palanga SAM Site B01-2	56-06-52N 21-08-45E	UR 0152-25	SA-3, Configuration F			
B. Nigrande SAM Defenses (in defense of Nigrande IRBM Complex)							
9	Liepaja SAM Site D11-2	56-25-10N 21-34-55E	UR 0152-25	SA-2, link			

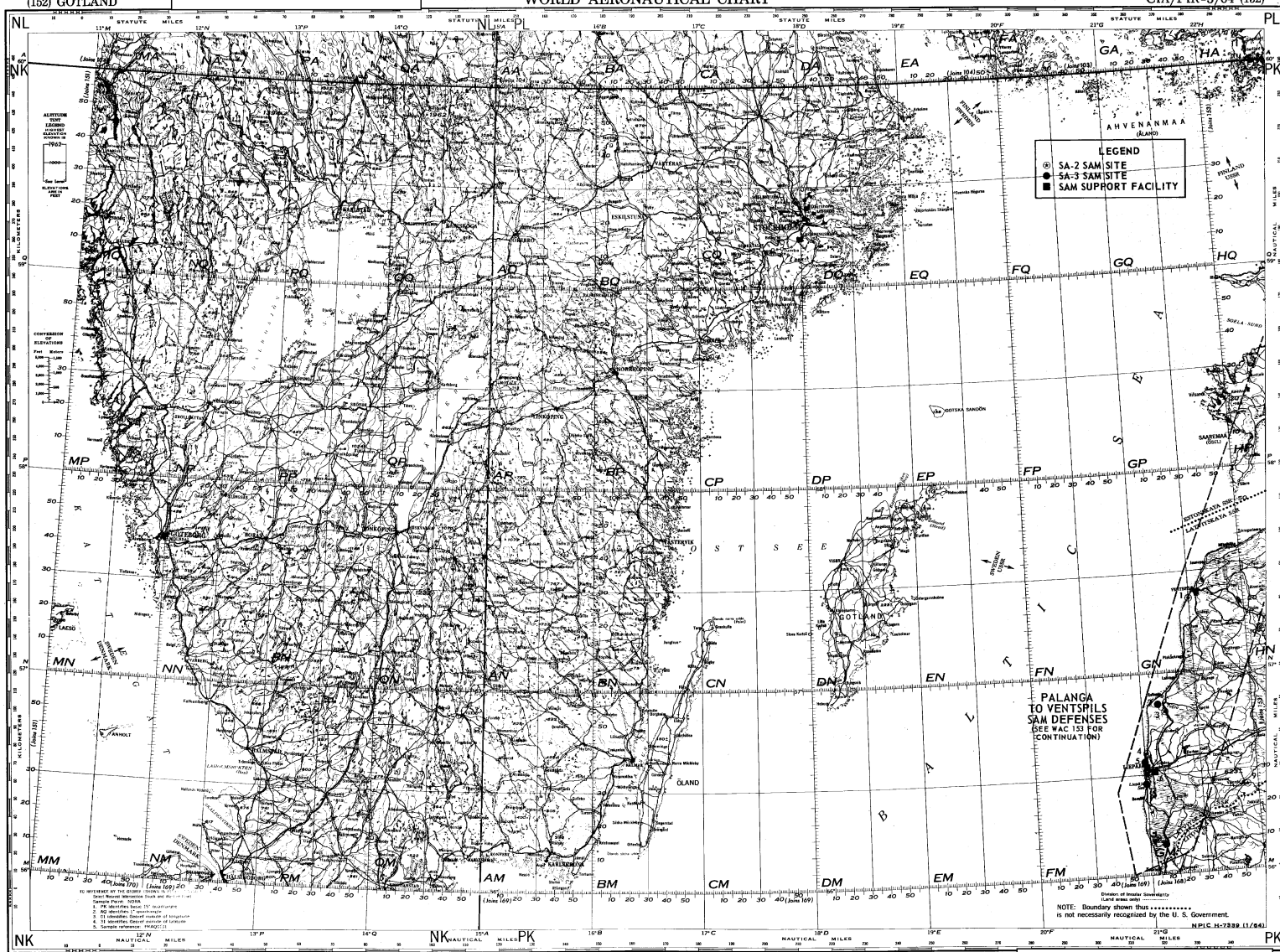
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CIA/PIR-3/64 (152)



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FIGURE 7. WAC 152, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS.

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Table 6. SAM Installations on WAC 163

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
A. Ventspils to Tallinn SAM Defenses (in defense of the Baltic Coast between Ventspils and Tallinn; the Risti MRBM Complex; Paldiski Naval Base; and Haapsalu)							
1	Kuressaare SAM Site C22-2	57-55-55N 22-04-10E	UR 0153-11	SA-2, link			
2	Kuressaare SAM Site A32-2	58-19-05N 22-19-00E	UR 0153-11	SA-2, link			
3	Kuressaare SAM Site B07-0	58-22-20N 22-54-05E	UR 0153-11	SA-0, Category 1			
4	Haapsalu SAM Site C21-2	58-36-30N 23-11-00E	UR 0153-6	SA-2, link			
5	Haapsalu SAM Site A26-2	58-55-50N 23-26-35E	UR 0153-6	SA-2, link			
6	Tallinn SAM Site B27-2, 6	59-21-50N 24-08-50E	UR 0153-1	SA-2, link			
B. Tallinn SAM Defenses (in defense of Tallinn and Tallinn Naval Base)							
7	Tallinn SAM Site A30-2	59-27-00N 24-28-15E	UR 0153-2	SA-2, link			
8	Tallinn SAM Site A22-2	59-20-10N 24-37-10E	UR 0153-2	SA-2, fan			
9	Tallinn SAM Support Facility	59-20-50N 24-47-10E	UR 0153-2	Type I (rectangular)			
10	Tallinn SAM Site A02-2	59-32-10N 24-52-30E	UR 0153-2	SA-2, link			
C. Tallinn to Leningrad SAM Defenses (in defense of the southern coast of the Gulf of Finland; Narva; Rakvere MRBM Complex; and Moloskovitsy MRBM Complex)							
11	Tallinn SAM Site C09-2	59-27-20N 25-29-20E	UR 0153-2	SA-2, link			
12	Tapa SAM Site A21-2	59-11-20N 25-54-25E	UR 0153-7	SA-2, link			
13	Rakvere MRBM Complex SAM Site B35-2	59-22-50N 26-18-20E	UR 0153-2	SA-2, link			
14	Rakvere MRBM Complex SAM Site B06-2	59-21-50N 26-54-10E	UR 0153-3	SA-2, star			
15	Narva SAM Site A34-2	59-26-10N 26-08-40E	UR 0153-3	SA-2, link			
16	Moloskovitsy MRBM Complex SAM Support Facility	59-32-10N 26-47-55E	UR 0153-4	Type II (square)			
17	Moloskovitsy MRBM Complex SAM Site A22-2	59-28-10N 29-00-00E	UR 0153-4	SA-2, link			
18	Moloskovitsy MRBM Complex SAM Site B29-2	59-32-40N 28-47-40E	UR 0153-4	SA-2, link			
19	Moloskovitsy MRBM Complex SAM Site B35-0	59-39-25N 29-02-10E	UR 0153-4	SA-0, Category 1			
D. Leningrad SAM Defenses (in defense of Leningrad-second largest city in USSR; major shipbuilding and naval facilities; airfields; and defense research, development, and production facilities)							
20	Leningrad SAM Site D28-3	59-57-50N 29-17-10E	UR 0153-4	SA-3, Configuration G			
21	Leningrad SAM Site D28-2	59-57-50N 29-17-25E	UR 0153-4	SA-2, chevron			
22	Leningrad SAM Site C27-2	59-53-40N 29-26-40E	UR 0153-4	SA-2, fan			
23	Leningrad SAM Site D25-3	59-42-20N 29-17-10E	UR 0153-4	SA-3, Configuration J			
24	Leningrad SAM Site C26-3	59-49-30N 29-23-30E	UR 0153-4	SA-3, Configuration J			
25	Leningrad SW Probable AMM Launch Complex D25	59-43-00N 29-18-20E	UR 0153-4	Prob AMM			This is one of three probable AMM launch complexes deployed at Leningrad.
26	Leningrad SAM Site C26-2	59-47-15N 29-32-10E	UR 0153-4	SA-2, chevron			
27	Leningrad SAM Site C25-2	59-45-30N 29-34-00E	UR 0153-4	SA-2, fan			
28	Leningrad SAM Site D24-3	59-37-30N 29-28-00E	UR 0153-4	SA-3, Configuration J			
29	Leningrad SAM Site C23-2	59-36-50N 29-39-50E	UR 0153-4	SA-2, chevron			
30	Leningrad SAM Site C24-2	59-40-50N 29-37-55E	UR 0153-4	SA-2, fan			
31	Leningrad SAM Site C33-3	59-34-50N 29-43-50E	UR 0153-4	SA-3, Configuration J			
32	Leningrad SAM Site C22-2	59-32-25N 29-48-10E	UR 0153-4	SA-2, fan			
33	Leningrad SAM Site C21A	59-32-40N 29-57-30E	UR 0153-4	SA-2, fan			Believed to be a probable training facility, because of its location with respect to adjacent building area, and its orientation.
34	Leningrad SAM Assembly and Support Facility No 4	59-31-30N 29-55-10E	UR 0153-4	Missile assembly and storage facility			This is one of four such facilities located at Leningrad.
35	Leningrad SAM Site C21-3	59-30-30N 29-56-00E	UR 0153-4	SA-3, Configuration J			
36	Leningrad SAM Site C21-2	59-30-50N 29-56-00E	UR 0153-4	SA-2, fan			
37	Leningrad SAM Site C20-2	59-30-30N 30-06-20E	UR 0153-4	SA-2, chevron			
38	Leningrad SAM Site C19-2	59-30-05N 30-14-20E	UR 0153-4	SA-2, fan			
39	Leningrad SAM Site C18-2	59-31-10N 30-23-05E	UR 0153-4	SA-2, chevron			
40	Leningrad SAM Site C17-2	59-32-00N 30-30-55E	UR 0153-4	SA-2, fan			
41	Leningrad SAM Site C16-2	59-33-50N 30-41-45E	UR 0153-4	SA-2, chevron			
42	Leningrad SAM Assembly and Support Facility No 3	59-34-50N 30-44-00E	UR 0153-4	Missile assembly and storage facility			This is one of four such facilities located at Leningrad.

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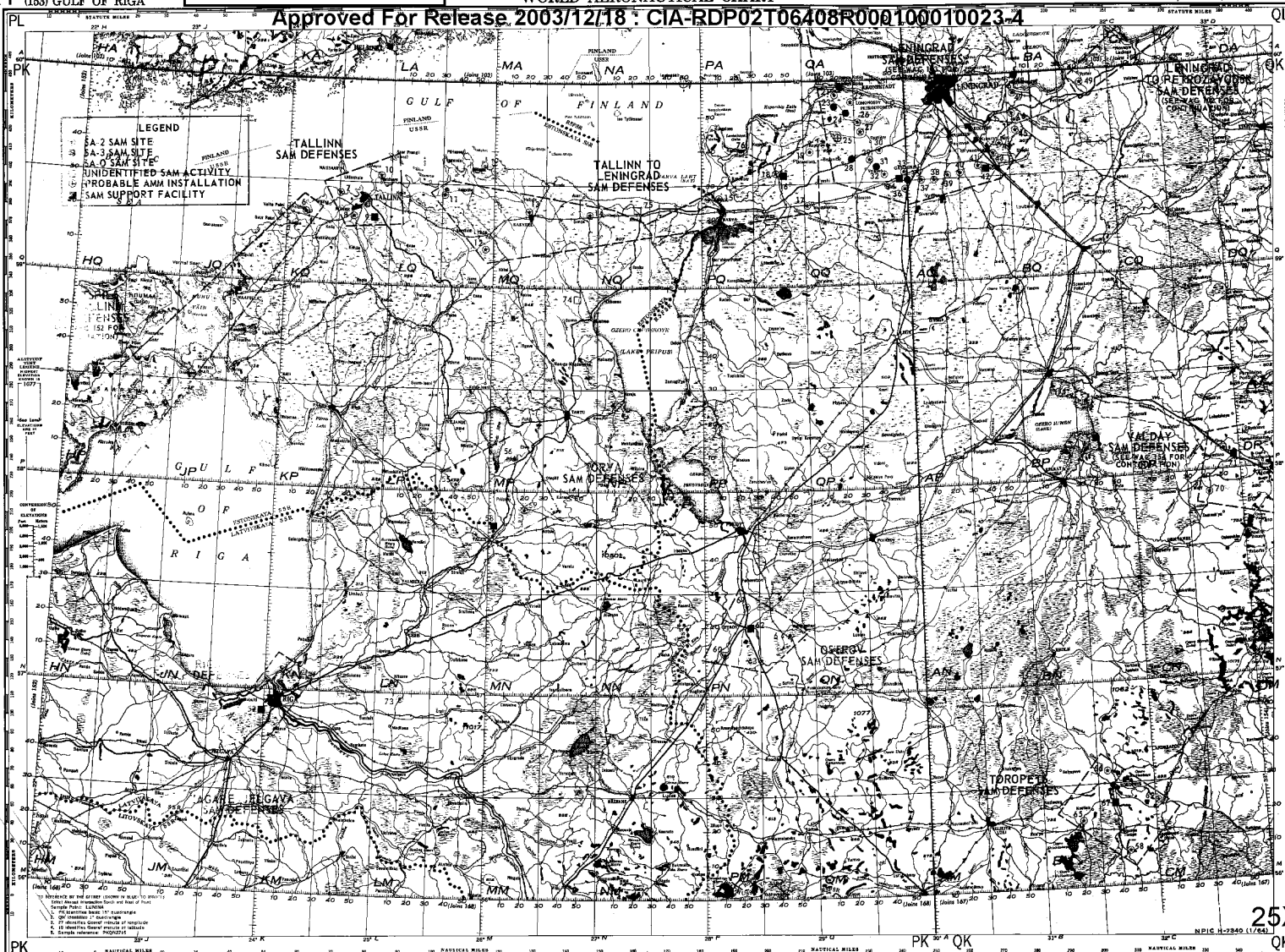
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(153) GULF OF RIGA

WORLD AERONAUTICAL CHART

CIA-PIR-3/64 (153)

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Approved For Release 2003/12/18 : CIA-RDP02T06408R000100010023-4

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GULF OF RIGA (153)

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Table 6. (Continued)

Item	Name, Site Designator, & BE No	Coordinates	Country & Map Ref	Type & Configuration	Mission & Date First Appears	Mission & Date Installation Negated	Remarks
43	Leningrad SAM Site C15-2, [REDACTED]	59-36-50N 30-48-30E	UR 0153-5	SA-2, fan			
44	Leningrad SAM Site C14-2, [REDACTED]	59-39-35N 30-59-10E	UR 0153-5	SA-2, chevron			
45	Leningrad SAM Site C13-2, [REDACTED]	59-43-40N 31-04-00E	UR 0153-5	SA-2, fan			
46	Leningrad SAM Site C11-2, [REDACTED]	59-49-25N 31-09-40E	UR 0153-5	SA-2, chevron			
47	Leningrad SAM Site C10-2, [REDACTED]	59-54-45N 31-09-00E	UR 0153-5	SA-2, fan			
48	Leningrad SAM Site C08-3, [REDACTED]	59-59-40N 31-04-30E	UR 0153-5	SA-3, Configuration J			
E. Leningrad to Petrozavodsk SAM Defenses (barrier defense between Leningrad and Petrozavodsk)							
49	Volkhov SAM Site B28-2, [REDACTED]	59-56-45N 31-43-50E	UR 0153-5	SA-2, link			
F. Zagare/Jelgava MRBM Complexes SAM Defenses (probably in defense of Zagare MRBM Complex and Jelgava MRBM Complex)							
50	Jelgava SAM Site C25-2, [REDACTED]	56-29-20N 23-09-40E	UR 0153-21	SA-2, link			
51	Jelgava SAM Site A22-2, [REDACTED]	56-34-50N 23-39-15E	UR 0153-21	SA-2, star			
G. Riga SAM Defenses (in defense of Riga)							
52	Jelgava SAM Site A03-2, [REDACTED]	56-45-00N 23-49-30E	UR 0153-21	SA-2, link			
53	Riga SAM Support Facility, [REDACTED]	56-54-32N 23-58-00E	UR 0153-16	Type I (rectangular)			
54	Riga SAM Site B03-2, [REDACTED]	57-05-40N 24-13-00E	UR 0153-17	SA-2, link			One large circular revetment of unknown function is associated with this site.
H. Torva MRBM Complex SAM Defenses (in defense of Torva MRBM Complex)							
55	Torva MRBM Complex SAM Site B30-2, [REDACTED]	59-09-30N 25-39-30E	UR 0153-19A	SA-2, link			
56	Torva MRBM Complex SAM Site B09-2, [REDACTED]	59-10-05N 25-19-55E	UR 0153-19	SA-2, link			
57	Torva MRBM Complex SAM Site B22-2, [REDACTED]	57-47-42N 25-49-00E	UR 0153-19	SA-2, link			
58	Torva MRBM Complex SAM Support Facility, [REDACTED]	57-50-40N 25-09-30E	UR 0153-19	Type I (rectangular)			
59	Torva MRBM Complex SAM Site A12-2, [REDACTED]	57-54-30N 25-19-25E	UR 0153-19	SA-2, link			
I. Ostrov/Gorokhovka Airfield SAM Defenses (in defense of Ostrov/Gorokhovka Airfield)							
60	Ostrov SAM Site A22-2, [REDACTED]	57-12-45N 28-10-10E	UR 0153-18	SA-2, fan			
61	Ostrov SAM Site A01-2, [REDACTED]	57-28-00N 28-21-00E	UR 0153-18	SA-2, fan			
62	Ostrov SAM Support Facility, [REDACTED]	57-19-30N 28-23-30E	UR 0153-18	Type I (rectangular)			
63	Ostrov SAM Site B15-2, [REDACTED]	57-10-05N 28-29-55E	UR 0153-18	SA-2, fan			
64	Ostrov SAM Site B11-0, [REDACTED]	57-17-05N 28-46-25E	UR 0153-19	SA-0, Category I			
J. Toropets Regional Military Storage Installation SAM Defenses (in defense of Toropets Regional Military Storage Installation)							
65	Toropets SAM Site B23-2, [REDACTED]	56-19-40N 31-20-40E	UR 0153-25	SA-2, link			
66	Toropets SAM Site A24-2, [REDACTED]	56-33-00N 31-35-40E	UR 0153-25	SA-2, link			
67	Toropets SAM Support Facility, [REDACTED]	56-34-30N 31-38-16E	UR 0153-25	Type II (square)			
68	Toropets SAM Site, [REDACTED]	56-10-41N 31-44-00E	UR 0153-25	SA-2, link			
69	Toropets SAM Site B12-2, [REDACTED]	56-24-00N 32-01-10E	UR 0153-25	SA-2, link			
K. [REDACTED] Site SAM Defenses [REDACTED]							
70	Yedrovo ICBM Complex SAM Site C29-2, [REDACTED]	57-54-30N 32-43-05E	UR 0153-15	SA-2, fan			
71	Yedrovo ICBM Complex SAM Support Facility, [REDACTED]	58-08-30N 32-58-30E	UR 0153-15	Type II, (square)			
72	Yedrovo ICBM Complex SAM Site C03-2, [REDACTED]	55-06-30N 32-51-10E	UR 0153-15	SA-2, link			
L. Malpils SAM Site (defense role undetermined)							
73	Malpils SAM Site A11-2, [REDACTED]	56-56-35N 25-12-45E	UR 0153-17	SA-2, Configuration undetermined			This site has seldom been seen, and the photography was of poor quality.
M. Suspect SAM Sites (the defense roles and capabilities of the following installations have not been determined)							
74	Mustvee Suspect SAM Site, 0153-	58-50-30N 26-47-40E	UR 0153-8	Type unknown, H-shaped			
75	Johvi Suspect SAM Site, 0153-	59-22-05N 27-21-35E	UR 0153-8	Type unknown, H-shaped			
76	Narva Suspect SAM Site, 0153-	59-39-30N 28-24-10E	UR 0153-8	Type unknown, H-shaped			

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(153) GULF OF RIGA

WORLD AERONAUTICAL CHART

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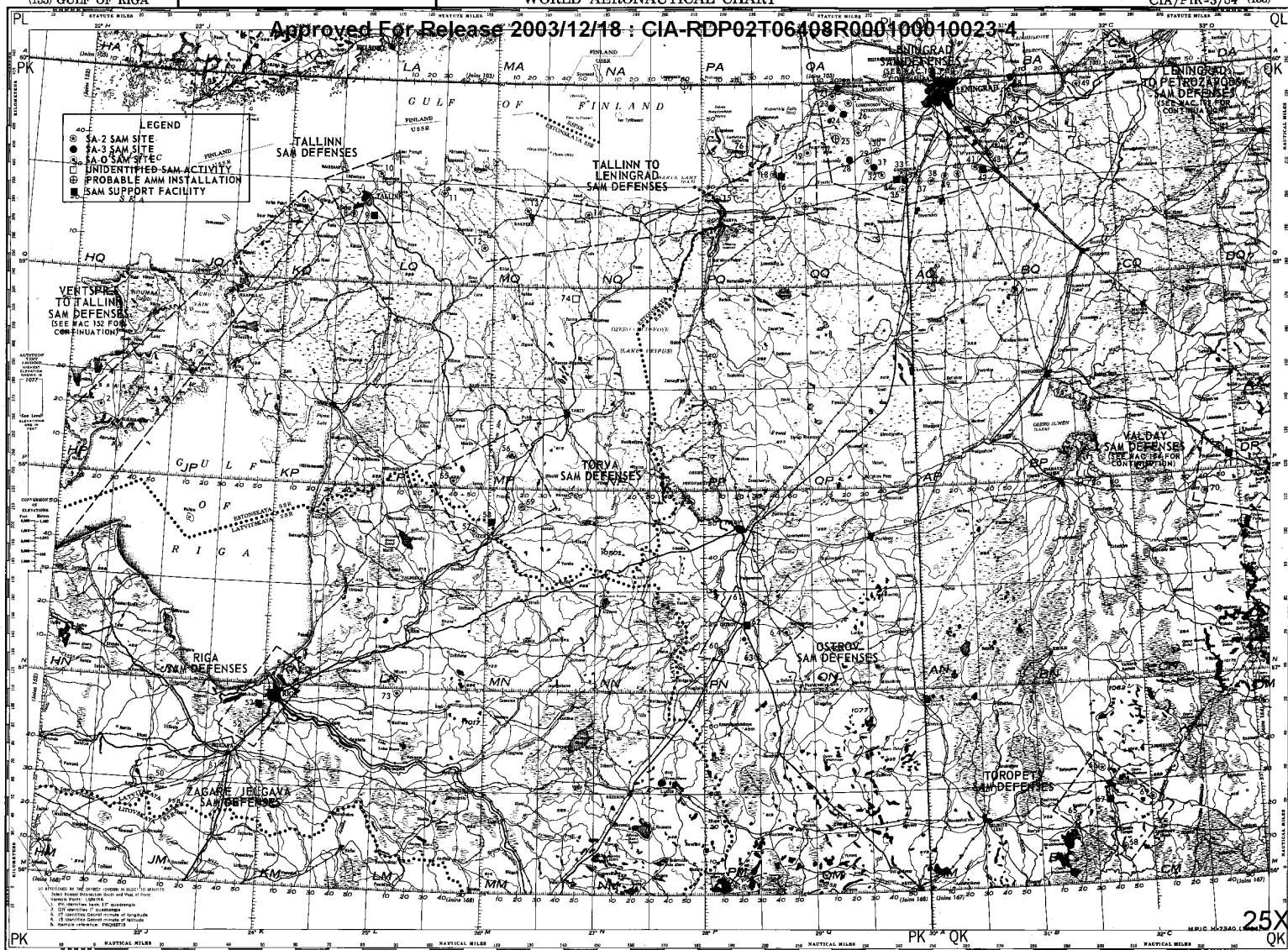


FIGURE 8. WAC 353, SHOWING LOCATIONS OF SOVIET-TYPE SAM INSTALLATIONS

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CIA/PIR-3/64

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REQUIREMENT

CIA. ORR/R3-80,733

PROJECT

C-1580/68 (partial answer)

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